

CULINARY BOILERS.—Joseph Gibbs, Opelousas, La.—This invention consists in a boiler having a wide flange adapted for supporting it on the top of pots or saucepans of different sizes, so that the body of the boiler sets down on the pot or saucepan to be heated by the water boiled therein, with which boiler is combined a circular weight, adapted to rest on the top of the flange, and press it down upon the edge of the pot so hard as to prevent the escape of the steam from the pot as readily as it would without said weight.

FOLDING CHAIR.—Charles Marcher, New York city.—The object of this invention is to so construct a chair that it may be folded up to occupy but little space when it is not in use, or when packed for transportation or storing away. It is particularly useful for steamer and steamboat travelers. The back and the front leg pieces for each side of the chair are in one piece, and are pivoted to the rear legs. A track of metal, or other suitable material, is rigidly attached to each side of the seat. A metallic plate is rigidly attached to the upper ends of each of the rear legs, having a pin projecting inward, so as to bear and traverse on the track when the chair is folded up or extended for use. A shoulder forms a stop for the traverse pin when the chair is extended. The bottom is pivoted to the lower part of the back. The arms of the chair are pivoted to the seat. There are slots in the arms, and pins in the back on which slotted arms work as the chair is folded or extended.

COMBINED TABLE, SOFA, AND BED.—David Katzenstein, New York city.—This invention relates to a new article of furniture, which can be used as a table, sofa or chair, and bed, as occasion may require, and which, at the same time, is extremely simple in construction and convenient to handle. It consists in a new combination of three cushioned plates, of which one constitutes the table top, the sofa or chair back, and also part of the bed bottom, according to the position in which it is placed. The bed clothes can be kept in a drawer while the device is used as a table or sofa.

[OFFICIAL.]

Index of Inventions

For which Letters Patent of the United States were granted

FOR THE WEEK ENDING MARCH 5, 1872, AND EACH

BEARING THAT DATE.

Table listing inventions with names and dates, including Alarm, burglar, H. Holcroft; Baking and roasting, apparatus for, T. J. T. Cummings; Basket, H. E. Tower; Bed bottom, S. Gissing; Bed, hospital, W. A. Miller; Bed, sofa, S. Graves; Bed clothes, frame for supporting, G. A. McLane; Billiard tables, chalk holder for, G. W. Morris; Boats, propulsion of canal, H. W. Frackmann; Boats, apparatus for towing canal, W. O. Buchanan; Boiler, wash, G. Hall; Boiler, wash, J. C. Tilton; Boilers, blow off for, Davis and Hardester; Boot, water proof, A. Cushman; Boots and shoes, machine for sewing, M. J. Stein; Bottles, etc., stopper for, A. Marsh; Box, paper, Beecher and Swift; Bracket, adjustable metallic cornice, Perkins and Waterman; Brake, steam air, G. Westinghouse, Jr.; Brake and signal, steam power air, G. Westinghouse, Jr.; Brake cylinders, relief valve for steam air, G. Westinghouse, Jr.; Broiler, E. P. Smith; Broiler and toaster, M. H. Wiley; Broom, whisk, H. A. Lee; Brush, fly, B. F. Brown; Brush, toilet, A. Wilder; Buildings, construction of wooden, O. C. Dodge; Butt, self-locking blind, W. R. Goodrich; Cans, machine for closing seams of metallic, E. T. Covell; Car axle box, T. B. Stewart; Car brake, S. N. Goodale; Car coupling, A. K. Kline; Car coupling, H. Akin; Car replacer, P. Cartwright; Car wheels, casting, J. Segmüller; Car, railway stock, S. W. Remer; Car for carrying petroleum, J. Clark; Cars, apparatus for propelling street, Bull and Bloomfield; Cars, safety step for railway, Beckwith, Rynerson, and Clark; Carding machine, C. J. Goodwin; Carriage body and seat, S. P. Graham; Carriages, top prop for, A. Searls; Casks, sink for oil, T. Miller; Chair, G. W. Morstatt; Chair, rocker and lounge, W. H. Whitrow; Check protector, J. Adair; Chignon, E. Ulmann; Churn, A. Wieting; Clasp for looping skirts, M. R. Zerbe; Cock, weighted gage, W. H. McMillan; Compound, explosive, C. W. Volney; Compound for fruit trees, J. R. Westover; Compound for making casts for fancy articles, H. Hirsch; Corer and outer, apple, S. Mead; Corn popper, M. H. Wiley; Corpse preserver, J. F. and E. G. Waters; Crossing, railway, W. R. Hunter; Cultivator, J. H. Pattie; Cultivator, M. J. Barr; Cultivator, W. W. Andrew; Cultivator, J. E. Byers; Cultivator, rotary, G. Collins; Curtain fixture, D. Clagett; Drawing knife, W. Brady; Dryer, clothes, H. H. Clark; Dryer, clothes, B. S. Brown; Dryer, wardrobe clothes, B. S. Brown; Drying fruits, etc., apparatus for, M. P. Smith; Dyeing yarn, apparatus for, T. Sheard; Egg beater, D. Munson; Engine and force pump, exhaust steam, J. Houtp; Engines, water relief valve for steam, J. Smith; Eraser, rubber, T. H. Muller; Eyelets, manufacture of, A. B. Edmands; Fare box, portable, J. W. Prendergast; Fastener, etc., sash, J. Ashcroft; Fence, Devoe, Rogers, and Beals; Fences, hook for wire, A. J. Gill; Flower casket, J. M. Hess; Fork, horse hay, S. K. Paden; Fruit crate, J. H. Marvill; Fruit gatherer, P. Conyer; Fruit gatherer, Phillips and Briggs; Fuel, artificial, J. Kircher; Furnace, air heating, J. S. Sumner; Gas retort, J. Butler; Gage, registering steam, E. Clark; Gin, cotton, E. McKenna; Glass press, H. J. Leasure; Glass ware, cooling stand for, J. Osterling; Glass, manufacture of window, Carstens and Schwenke; Grate and door of open grate or parlor stove, E. Brown.

Table listing inventions with names and dates, including Hame fastener, E. Bradley; Harness, safety loop for, C. H. Trumbull; Harvester, Holt and Laffin; Harvester dropper, Allstatter and Schurger; Hatchways, safety guard for, Weeks and Kohler; Heater, feed water, G. M. Mullen; Hoisting apparatus, S. K. Paden; Horse power, W. J. F. Liddell; Horse power, endless chain, G. C. Hodge; Horseshoe, W. H. Frelelah; Horseshoe, adjustable, H. and P. Moran; House, R. B. Varden; Houses, ice floor for preserving, T. L. Rankin; Hub band, metallic, S. C. Forbes; Invalids, table and head rest for, M. Fitch; Iron, smoothing, E. B. Robinson; Iron, apparatus for puddling, W. Sellers; Ironing board, G. M. Lane; Key for locks, W. E. Hawkins; Knitting machine, W. H. H. Hollen; Lamp, W. Brown; Lamp chimneys, mold for making, E. Dithridge; Lantern, G. Mortimer; Last, shoe, W. J. B. Mills; Leveling instrument, J. Rohrer; Lightning rod, F. O. Goodwin; Loading lumber, apparatus for, J. S. Preston; Lock, seal, J. H. Oliver; Log lifter, G. B. Sims; Loom, circular hat weaving, J. V. D. Reed; Lubricator for steam engine, S. E. Whitney; Magneto-electric battery for firing fuses, etc., B. G. Noble; Meat tenderer, M. M. Pettes; Milk can, P. Teets; Milk cooler, H. Messinger; Mortises, machine for cutting square, C. H. Thompson; Mosquito net, T. S. Winslow; Nail machine, horseshoe, C. W. Woodford; Needle, sewing machine, T. Lillie; Net, lady's hair, J. Dalton; Nut, lock, G. P. Rose; Oilier for loose pulleys, E. L. Conkey; Oven, baker's, G. C. Jennison; Padlock, indicator, F. J. Hoyt; Paint for ships' bottoms, etc., S. A. Gilman; Paneling machine, S. Heyser; Paper, moth repellent, S. Crane; Paper holder, sand, N. H. Fay; Paper cutting machine, J. L. Gregorie; Paper cutting machine, B. Weaver; Paper pulp, manufacture of, G. Demally; Paper board for buildings, C. B. Ayer; Paper for buildings, etc., preparing, C. B. Ayer; Parer, apple, F. W. Hudson; Pasteboard, machine for lining, G. H. Dickerman; Pavement, concrete and tile, G. A. Aschbach; Pegging machines, feeder for, G. M. Crane; Phosphates, etc., bag for, B. R. Crossdale; Planoforte action, C. E. Rogers; Pliers, crib for laying foundations for, J. Barish; Planter, potato, H. J. Kent; Plow clevis, W. Axford; Plow clevis, A. A. Dailey; Power, atmospheric motive, W. Jones; Preserving fruits, etc., B. M. Nyce; Press, cotton, M. W. Bradford; Press, cotton, R. M. Wyatt; Printers' leads and rules, machine for bending, Smith and McCollum; Printing press, piston for, C. B. Cottrell; Printing disks, pattern for casting, J. Goldsborough; Pulley block, J. C. Cottingham; Rail chair, L. S. Shreffler; Railway rail, J. A. Woodbury; Railway switch, T. Turner; Rake, horse hay, D. P. Sharp; Range, portable cooking, E. Young; Refrigerator, F. W. Hunt; Ring, sheet metal screw, L. F. Betts; Rolls, three high, Moore and Fritz; Roofing, composition, D. W. Bailey; Rope way, endless, D. R. Smith; Rule and square, folding, F. B. Scott; Saddle tree, gig, P. H. Wiedersum; Saddles, check hook for harness, P. H. Wiedersum; Salt holder, G. B. Fowle; Saw, J. Holden; Sawing machine, comb, W. Booth; Scrubber and mop combined, L. B. and I. A. Wilson; Separator, grain, J. C. Bowden; Separator and scourer, grain, Howes and Throop; Sewing machine, W. Wickersham; Sewing machine, W. Chickel; Sewing machine, J. A. House; Sewing machine, boot and shoe, C. O. Crosby; Sewing machine for leather, G. V. Sheffield; Sewing machines, attachment for, Goodrich and Henry; Sewing machines, fan attachment for, J. H. Whitney; Shutter and door, iron, J. W. Hoyt; Signal, pneumatic railway, J. Olmsted; Sign, F. Walker; Skate fastener, E. J. Stuart; Spindle step, W. C. Cross; Splining machines, spindle for, J. H. Sawyer; Stalk cutter, corn, S. Walters; Staves, machine for jointing, D. D. Turpe; Stove, cooking, Nation and Little; Stove, portable, G. H. Ferris; Stove and boiler, U. J. Duffield; Stove and range, cooking, J. J. Richardson; Stove, platform, W. Westlake; Sugar, manufacture of hard, Donner and Hepworth; Swing, oscillating, J. N. Fowler; Table and head rest for invalids, M. Fitch; Telegraph insulator, M. G. Farmer; Telegraph wires, etc., compound for insulating, M. G. Farmer; Thill coupling, I. S. Peters; Thimble skein, C. Paddock; Tool, blacksmiths', J. F. Kernon; Torch for lighting gas, etc., electric, W. W. Batchelder; Toy steam engine, A. Buckman; Track cleaner, A. Blakely; Tubes, device for cutting off, W. H. Downing; Turntable for swing bridges, G. Walters; Valve, globe, J. Johnson; Valve, stop, J. Walsh; Valve, steam slide, N. P. Stevens; Valve, water and steam, C. H. Hopkins; Vehicle poles, yoke ring attachment for, A. S. Murchison; Vehicles, spring for, C. W. Saladee; Vehicles, connecting side springs to, C. W. Saladee; Washing machine, E. S. Barringer; Washing machine, E. A. Turnbull; Washing machine, D. S. Blue; Water elevator, C. Houghton; Water elevator, J. L. Burch.

Table listing inventions with names and dates, including Waterwheels, gate for, E. F. Hunt; Water tank for railroads, J. Burnham; What-not, D. Heald; Whip socket, E. Chamberlin; Windmill, W. D. Nichols; Wire fabric, J. W. C. Peters; Wood, compound for preserving, J. Holmes; Wood, process for hardening and preserving, C. G. Waterbury; Wringer, clothes, T. E. McDonald.

DESIGNS PATENTED.

Table listing designs patented, including 5,568.—CARPET.—Jonathan Crabtree, Philadelphia, Pa.; 5,564 to 5,568.—CARPETS.—John Fisher, Enfield, Conn.; 5,569 to 5,573.—OIL CLOTHS.—J. Hutchinson, Newark, N. J.; 5,574.—VEST CHAIN LOCK.—K. Kaufmann, New York city; 5,575 and 5,576.—OIL CLOTHS.—C. T. Meyer, Lyon's Farms, Elizabeth, N. J.; 5,577 to 5,597.—CARPETS.—E. J. Ney, New York city; 5,598.—COOKING STOVE.—L. Rathbone, Albany, N. Y.; 5,599.—JEWELRY BOX.—G. Schoenemann, New York city; 5,600 to 5,603.—CARPETS.—J. H. Smith, Enfield, Conn.; 5,604 to 5,607.—CARPETS.—G. C. Wright, New York city; 5,608.—SUSPENSION EYELET.—G. W. Averell, New York city; 5,609.—KNIFE HANDLE.—M. Chapman, Greenfield, Mass.; 5,610 to 5,618.—CARPETS.—Otto Heinicke, New York city; 5,619 to 5,623.—CARPETS.—H. Horan, Newark, N. J.; 5,624 to 5,630.—CARPETS.—L. G. Malkin, New York city; 5,631.—CARPET.—W. Mallinson, Halifax, England; 5,632.—SODA FOUNTAIN.—G. F. Meacham, Newton, Mass.; 5,638.—CARPET.—J. J. Patchett, Halifax, England; 5,634.—BIRD CAGE HOOK.—A. Wunder, New Haven, Conn.; 5,635.—IRON BRACKET.—M. D. Jones, Boston, Mass.; 5,636.—CARPET.—A. McCallum, Halifax, England; 5,637.—CEILING ORNAMENT.—G. Protin, New York city; 5,638.—CLOCK CASE.—P. B. Wight, New York city.

TRADE MARKS REGISTERED.

Table listing trade marks registered, including 681 and 682.—BLEACHED LONG CLOTH.—Coffin & Altemus, Philadelphia, Pa.; 683 to 687.—PHOTOGRAPH ALBUMS.—W. W. Harding, Philadelphia, Pa.; 688.—CLOTH AND PAPER.—The Manhattan Cloth and Paper Company, New York city and Newark, N. J.; 689 and 690.—SMOKING TOBACCO.—Winfree & Loyd, Lynchburg, Va.; 691.—GIN.—Adams & Taylor, Boston, Mass.; 692.—WHISKY.—Adams & Taylor, Boston, Mass.; 693.—GIN.—Adams & Taylor, Boston, Mass.

Table listing schedule of patent fees, including On each caveat \$10; On each Trade-Mark \$25; On filing each application for a Patent, (seventeen years) \$15; On issuing each original Patent \$20; On appeal to Examiners-in-Chief \$10; On appeal to Commissioner of Patents \$20; On application for reissue \$20; On application for Extension of Patent \$50; On granting the Extension \$50; On filing a Disclaimer \$10; On an application for Design (three and a half years) \$10; On an application for Design (seven years) \$15; On an application for Design (fourteen years) \$20.

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APPLICATIONS FOR EXTENSIONS.

Applications have been duly filed, and are now pending, for the extension of the following Letters Patent. Hearings upon the respective applications are appointed for the days hereinafter mentioned:
20,356.—PROTRACTOR.—J. Lyman. May 8, 1872.
20,314.—VALVE COCK.—S. Adams. May 8, 1872.
20,341.—HORSESHOE MACHINE.—C. H. Perkins. May 15, 1872.
20,649.—VAPOR LAMP.—A. M. Mace. June 5, 1872.
20,692.—GRINDING MILL.—B. A. Beardsley. June 12, 1872.
20,387.—PRESSING STRAW BONNETS, ETC.—H. E. West. June 19, 1872.
20,411.—HARVESTER RAKE.—D. O. De Wolf. May 15, 1872.
20,447.—WHITEWASH BRUSH.—D. W. Shaw and W. McGraw. May 15, 1872.
20,542.—STONE CRUSHER.—E. W. Blake. May 29, 1872.

Value of Extended Patents.

Did patentees realize the fact that their inventions are likely to be more productive of profit during the seven years or extension than the first full term which their patents were granted, we think more would avail themselves of the extension privilege. Patents granted prior to 1861 may be extended for seven years, for the benefit of the inventor, or of his heirs in case of the decease of the former, by due application to the Patent Office, ninety days before the termination of the patent. The extended time inures to the benefit of the inventor, the assignees under the first term having no rights under the extension, except by special agreement. The Government fee for an extension is \$100, and it is necessary that good professional service be obtained to conduct the business before the Patent Office. Full information as to extensions may be had by addressing

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Inventions Patented in England by Americans.

Table listing inventions patented in England by Americans, including GAS ENGINE.—G. B. Brayton, Boston, Mass.; HARVESTER.—L. Miller, Akron, Ohio; METALLIC CANS, ETC.—H. W. Shepard and R. Seaman, New York city; MOLDS, CORES, ETC.—W. Halseworth, Pittsburgh, Pa.; MOWER AND REAPER.—W. Sprague, South Kingstown, R. I.; POSTAL CARDS, ETC.—A. L. McCrea, Washington, D. C.; PROPELLING VESSELS.—W. Conde, New York city; REFRIGERATOR.—J. Gravensine, Philadelphia, Pa.; D. W. C. Taylor, N. Y. city; SEWING MACHINE.—Singer Sewing Machine Company, New York city; STEAM GENERATOR, ETC.—A. G. Buzby, Philadelphia, Pa.

FOREIGN PATENTS—A HINT TO PATENTEEs.

It is generally much better to apply for foreign patents simultaneously with the application in the United States. If this cannot be convenient y done, as little time as possible should be lost after the patent is issued, as the laws in some foreign countries allow patents to any who first makes the application, and in this way many inventors are deprived of valid patents for their own inventions. It should also be borne in mind that a patent is issued in England to the first introducer, without regard to the rights of the real inventor; therefore, it is important that all applications should be entrusted to responsible agents in this country, who can assure parties that their valuable inventions will not be misappropriated. The population of Great Britain is 31,000,000; of France, 37,000,000; Belgium, 5,000,000; Austria, 36,000,000; Prussia, 40,000,000; and Russia, 70,000,000. Patents may be secured by American citizens in all of these countries. Mechanical improvements of all kinds are always in demand in Europe. There will never be a better time than the present to take patents abroad. We have reliable business connections with the principal capitals of Europe. A large share of all the patents secured in foreign countries by Americans are obtained through our Agency. Address

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